

**METHOD FOR STORING ALPHA-OLEFIN OLIGOMERATION CATALYST**

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**Inventor:** URATA HISAO; AOSHIMA NORIYUKI; NISHIMURA SUGIO  
**Applicant:** MITSUBISHI CHEM CORP  
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**Abstract of JP10036433**

**PROBLEM TO BE SOLVED:** To store a chromium catalyst for  $\alpha$ -olefin oligomeration stably without causing deactivation by storing it in an organic solvent containing an unsaturated hydrocarbon.  
**SOLUTION:** In order to store an  $\alpha$ -oligomeration catalyst prepared by reacting at least a chromium compound with a pyrrole compound, an alkylaluminum compound and a halogen-containing compound in an organic solvent is stored for at least 24hr before it is used in the oligomeration of an  $\alpha$ -olefin, it is stored in an organic solvent containing an unsaturated hydrocarbon. To practice this method, it is the most suitable that a solution prepared by adding a chromium compound, a pyrrole compound, an alkylaluminum compound and a halogen-containing compound are added to a solvent containing an unsaturated hydrocarbon to form a catalyst is stored as such. Because the catalyst can be rapidly formed, it may be reasonable to think that the formation of the catalyst is completed as soon as the mixing of all the components is finished.

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